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APPLICATION NO.	· FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/788,717	02/27/2004	Robert J. Royer JR.	P17469	6783
25694 INITEL CORD	7590 12/20/2006		EXAMINER	
INTEL CORPORATION C/O INTELLEVATE, LLC			NAMAZI, MEHDI	
P.O. BOX 52050 MINNEAPOLIS, MN 55402			ART UNIT	PAPER NUMBER
	,		2189	
HORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MC	ONTHS	12/20/2006	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)					
	10/788,717	ROYER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Mehdi Namazi	2189					
The MAILING DATE of this communication ap	pears on the cover sheet with the o	correspondence address					
Period for Reply	VIOLETTE TURNET AMONTH	(O) OD THUDTY (OO) DAYS					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tire will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on Nov	rember 10, 2006.						
·	·						
3) Since this application is in condition for allows	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-8,15-28 and 33-47</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
-5)⊠ Claim(s) <u>1-8 and 33-47</u> is/are allowed.							
6)⊠ Claim(s) <u>15-22 and 24</u> is/are rejected.							
7) Claim(s) 23, and 25-28 is/are objected to.	7) Claim(s) 23, and 25-28 is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.						
Application Papers		•					
9) The specification is objected to by the Examin	er.						
10)⊠ The drawing(s) filed on <u>27 February 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Burea		_					
* See the attached detailed Office action for a lis	t of the certified copies not receive	ed.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:						

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DETAILED ACTION

This office action is in response to applicant's election filed on November 10, 2006.

Applicant has elected the invention of group I (claims 1-8; 15-28; 33-47). Claims 9-14, and 29-32 have been canceled.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 15, line 5, "special handling" is considered as vague and indefinite.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 22 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Rozman et al. (US Patent No. 5,438,614).

As per claim 22, Rozman teaches a processor (fig. 8B, element 633) having a transceiver coupled to dual antennas(fig. 2, element 105); and a memory module(fig. 9A, element 921) coupled to the processor and including, a memory controller (fig. 9A, element 915), storage devices to form a mass storage that is coupled to the memory controller(fig. 9A, element 925), and a host controller coupled to the processor to provide a refresh cycle issued through an interface to the storage devices (fig. 9A, element 915; col. 16, lines 48-63; works as a host/memory controller).

As per claim 24, Rozman teaches the storage devices are flash memory devices (fig. 9A, element 925).

Allowable Subject Matter

Claims 1-8, and 33-47 are allowed.

Claims 23, 25-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

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As per claim 1, the prior art of the record fails to teach a host control interface to couple the processor to the nonvolatile mass storage device and issue read/write commands to manage polarity.

As per claims 33, and 42, the prior art of the record fails to teach using a polarity map to determine how polarity is to handled for a specific access to the mass storage.

As per claim 39, the prior art of the record fails to teach allowing a memory controller to detect an error and interrupt the software controlling the storage devices to report a memory refresh failure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mehdi Namazi whose telephone number is 571-272-4209. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald Bragdon can be reached on 571-272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mehdi Namazi

December 7, 2006

Reguell D. Bragdon

REGINALD BRAGDON SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100